

This listing of claims replaces all previous listings:

Listing of Claims

Claims 1 - 7. (Canceled)

Claims 8 - 9. (Canceled)

Claims 10 -14. (Canceled)

Claims 15 - 33. (Canceled)

34. (Canceled)

35. (Currently Amended) An isolated transgenic tobacco plant cell comprising within its nuclear genome[[:]]

a) ~~an exogenous nucleic acid sequence operably associated with a promoter suitable for expression in tobacco cells, wherein said exogenous nucleic acid sequence encodes an *Arabidopsis thaliana* MinD polypeptide; or~~

b) an exogenous nucleic acid sequence operably associated with a promoter suitable for expression in tobacco cells, wherein said exogenous nucleic acid sequence encodes an *Arabidopsis thaliana* MinE polypeptide, wherein the tobacco plant cell comprises only one or a few large chloroplasts.

36. (Previously Presented) A tissue culture comprising the cell of Claim 35.

37. (Previously Presented) A seed comprising the cell of Claim 35.

38. (Currently Amended) The method according to Claim 35, wherein said exogenous nucleic acid sequence comprises a nucleic sequence encoding the an *Arabidopsis thaliana* MinD polypeptide set forth in comprises SEQ ID NO:11.

39. (Currently Amended) A method of producing a transgenic tobacco plant, said method comprising:

- a) transforming the nuclear genome of a tobacco plant cell with[[:]]
 - i) ~~an exogenous nucleic acid sequence operably associated with a promoter suitable for expression in tobacco cells, wherein said exogenous nucleic acid sequence encodes an *Arabidopsis thaliana* MinD polypeptide; or~~
 - ii) an exogenous nucleic acid sequence operably associated with a promoter suitable for expression in tobacco cells, wherein said exogenous nucleic acid sequence encodes an *Arabidopsis thaliana* MinE polypeptide, and
- b) culturing said cell under conditions suitable for generating a transgenic tobacco plant comprising a plurality of cells that include only one or a few large chloroplasts.

40. (Currently Amended) The method according to Claim 39, wherein said exogenous nucleic acid sequence comprises a nucleic sequence encoding the an *Arabidopsis thaliana* MinD polypeptide set forth in comprises SEQ ID NO:11.